BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

RA 1ST AND FINAL BILL

Name of work: Improvements Roads And Drains and Providing Covering Slabs at Srinidhi Layout Vaishnavai Layout, Sai Garden, Kamat Layout and Surrounding areas in Ward No. 11 (Kuvempunagara) in Vidyaranyapura Sub Division.

Estimated Cost : Rs. 30.00 Lakhs

Job Code: 011-20-000120

Head of Account : P-1771 POW Works

Name of Agency: Sri. Abbu Sambashivareddy, # 1B3, Sree Arcade Layout, 4th Block, Doddabommasandra, Vidyaranyapura (P), Bangalore - 97.

Work order No: EE/BTP/BBMP/E-PMT/01(41734)/50/2019-20 D: 20-07-2020.

Measurements Recarded on : 10/09/2020

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 & 2 is =						**266.85**	150.00	**40028.00**
2	Removing and refixing stone slabs of drains and pointing in CM (1:3)								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 3 is =						**891.00**	100.00	**89100.00**
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete								
	Srinidhi Layout 4th C Cross E/S	Sqm	1	3.00		1.35	4.05		
			1	2.00		1.35	2.70		
	Srinidhi Layout 4th C Cross W/S		1	5.00		1.35	6.75		
	Srinidhi Layout 8th Cross E/S		1	6.00		1.35	8.10		
	Srinidhi Layout 8th Cross W/S		1	2.00		1.35	2.70		
			1	3.00		1.35	4.05		
			1	2.00		1.35	2.70		
	Srinidhi Layout 8th Cross W/S		1	2.00		1.35	2.70		
	8th A Main N/S		1	5.00		1.35	6.75		
	8th D Cross N/S		1	2.00		1.35	2.70		
			1	2.00		1.35	2.70		
	8th D Cross S/S		1	3.00		1.35	4.05		
			1	5.00		1.35	6.75		
	8th B Main E/S		1	6.00		1.35	8.10		
			1	7.00		1.35	9.45		
	4th Cross C Block E/S		1	9.00		1.35	12.15		
	W/S		1	6.00		1.35	8.10		
				Total Qty =			**94.50**		

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amoun
				Qty Limited to =			94.45	742.00	0082.00
4	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per								
	Flagging Course	Sqm							
	Srinidhi Layout 4th C Cross E/S		2	30.00		0.40	24.00		
			2	30.00		0.40	24.00		
			2	30.00		0.40	24.00		
			2	17.50		0.40	14.00		
	Srinidhi Layout 4th C Cross W/S		2	26.00		0.40	20.80		
	Srinidhi Layout 8th Cross E/S		2	13.20		0.40	10.56		
			2	8.80		0.40	7.04		
			2	28.00		0.40	22.40		
			2	25.00		0.40	20.00		
	Srinidhi Layout 8th Cross W/S		2	8.80		0.40	7.04		
			2	12.50		0.40	10.00		
			2	15.00		0.40	12.00		
			2	25.00		0.40	20.00		
	8th A Main N/S		2	21.00		0.40	16.80		
	8th D Cross N/S		2	30.00		0.40	24.00		
			2	3.00		0.40	2.40		
	8th D Cross S/S		2	30.00		0.40	24.00		
			2	3.00		0.40	2.40		
	8th B Main E/S		2	14.30		0.40	11.44		
			2	8.60		0.40	6.88		
	4th Cross C Block E/S		2	28.50		0.40	22.80		
	W/S		2	30.00		0.40	24.00		
			2	21.60		0.40	17.28		
			2	28.50		0.40	22.80		
	Park Opp		2	17.60		0.40	14.08		
	3rd A Cross Srinidhi Layout		2	30.00		0.40	24.00		
			2	25.00		0.40	20.00		
	8th C Main Road		2	30.00		0.40	24.00		
			2	20.00		0.40	16.00		
			2	15.00		0.40	12.00		
			2	30.00		0.40	24.00		
			2	5.00		0.40	4.00		
				Total Qty =			528.72		
				Qty Limited to =			528.00	850.00	448800.00
5	Providing and laying Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 4 is =						1.80	5000.00	9000.00

Assistant Engineer

Assistant Executive Engineer

S	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.							Cum	
	Bed Concrete	Cum							
	Seenappa Garden 2nd Cross		2	6.20	0.60	0.90	6.70		
					Total Qty		**6.70**		
					Qty Limited to =		**6.48**	5500.00	**35640.00**
7	Providing ruled pointing 20 mm deep to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.							Sqm	
	Pointing	Cum							
	Seenappa Garden 2nd Cross		2	6.20		0.90	11.16		
					Total Qty		**11.16**		
					Qty Limited to =		**10.80**	150.00	**1620.00**
8	Providing precast slab of 250mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved).							Sqm	
	Deck Slab	Cum							
	Seenappa Garden 2nd Cross		10	1.50	0.60		9.00		
					Total Qty		**9.00**		
					Qty Limited to =		**9.00**	5000.00	**45000.00**
9	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge.								
	Covering Slab	Sqm							
	Srinidhi Layout 4th C Cross E/S		1	30.00	0.90		27.00		
			1	30.00	0.90		27.00		
			1	30.00	0.90		27.00		
			1	17.50	0.90		15.75		
	Srinidhi Layout 4th C Cross W/S		1	26.00	0.90		23.40		
	Srinidhi Layout 8th Cross E/S		1	13.20	0.90		11.88		
			1	8.80	0.90		7.92		
			1	28.00	0.90		25.20		
			1	25.00	0.90		22.50		
	Srinidhi Layout 8th Cross W/S		1	8.80	0.90		7.92		
			1	12.50	0.90		11.25		
			1	15.00	0.90		13.50		
			1	25.00	0.90		22.50		
	8th A Main N/S		1	21.00	0.90		18.90		
	8th D Cross N/S		1	30.00	0.90		27.00		
			1	3.00	0.90		2.70		
	8th D Cross S/S		1	30.00	0.90		27.00		
			1	3.00	0.90		2.70		
	8th B Main E/S		1	14.30	0.90		12.87		
			1	8.60	0.90		7.74		
	4th Cross C Block E/S		1	28.50	0.90		25.65		
	W/S		1	30.00	0.90		27.00		

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Assistant Engineer

Assistant Executive Engineer

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	21.60	0.90		19.44		
			1	28.50	0.90		25.65		
	Park Opp		1	17.60	0.90		15.84		
	3rd A Cross Srinidhi Layout		1	30.00	0.90		27.00		
			1	25.00	0.90		22.50		
	8th C Main Road		1	30.00	0.90		27.00		
			1	20.00	0.90		18.00		
			1	15.00	0.90		13.50		
			1	30.00	0.90		27.00		
			1	5.00	0.90		4.50		
				Total Qty =			**594.81**		
				Qty Limited to =			**594.00**	1800.00	**1069200.00**
10	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	Culvert Coping	Cum							
	Sommanna Garden 2nd Main		1	6.20	1.50	0.10	0.93		
	Ramp		2	6.20	1.00	0.15	1.86		
	Bed Concrete								
	Srinidhi Layout 4th C Cross E/S		1	30.00	0.45	0.10	1.35		
			1	30.00	0.45	0.10	1.35		
			1	30.00	0.45	0.10	1.35		
			1	17.50	0.45	0.10	0.79		
	Srinidhi Layout 4th C Cross W/S		1	26.00	0.45	0.10	1.17		
	Srinidhi Layout 8th Cross E/S		1	13.20	0.45	0.10	0.59		
			1	8.80	0.45	0.10	0.40		
			1	28.00	0.45	0.10	1.26		
			1	25.00	0.45	0.10	1.13		
	Srinidhi Layout 8th Cross W/S		1	8.80	0.45	0.10	0.40		
			1	12.50	0.45	0.10	0.56		
			1	15.00	0.45	0.10	0.68		
			1	25.00	0.45	0.10	1.13		
	8th A Main N/S		1	21.00	0.45	0.10	0.95		
	8th D Cross N/S		1	30.00	0.45	0.10	1.35		
			1	3.00	0.45	0.10	0.14		
	8th D Cross S/S		1	30.00	0.45	0.10	1.35		
			1	3.00	0.45	0.10	0.14		
	8th B Main E/S		1	14.30	0.45	0.10	0.64		
			1	8.60	0.45	0.10	0.39		
	4th Cross C Block E/S		1	28.50	0.45	0.10	1.28		
	W/S		1	30.00	0.45	0.10	1.35		
			1	21.60	0.45	0.10	0.97		
			1	28.50	0.45	0.10	1.28		
	Park Opp		1	17.60	0.45	0.10	0.79		
	3rd A Cross Srinidhi Layout		1	30.00	0.45	0.10	1.35		
			1	25.00	0.45	0.10	1.13		

Assistant Engineer

Assistant Executive Engineer

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8th Main Road		1	30.00	0.45	0.10	1.35		26.72
		1	20.00	0.45	0.10	0.90		
		1	15.00	0.45	0.10	0.68		
		1	30.00	0.45	0.10	1.35		
		1	5.00	0.45	0.10	0.23		
Coping Concrete								
Srinidhi Layout 4th C Cross E/S		2	30.00	0.20	0.10	1.20		
		2	30.00	0.20	0.10	1.20		
		2	30.00	0.20	0.10	1.20		
		2	17.50	0.20	0.10	0.70		
Srinidhi Layout 4th C Cross W/S		2	26.00	0.20	0.10	1.04		
Srinidhi Layout 8th Cross E/S		2	13.20	0.20	0.10	0.53		
		2	8.80	0.20	0.10	0.35		
		2	28.00	0.20	0.10	1.12		
		2	25.00	0.20	0.10	1.00		
Srinidhi Layout 8th Cross W/S		2	8.80	0.20	0.10	0.35		
		2	12.50	0.20	0.10	0.50		
		2	15.00	0.20	0.10	0.60		
		2	25.00	0.20	0.10	1.00		
8th A Main N/S		2	21.00	0.20	0.10	0.84		
8th D Cross N/S		2	30.00	0.20	0.10	1.20		
		2	3.00	0.20	0.10	0.12		
8th D Cross S/S		2	30.00	0.20	0.10	1.20		
		2	3.00	0.20	0.10	0.12		
8th B Main E/S		2	14.30	0.20	0.10	0.57		
		2	8.60	0.20	0.10	0.34		
4th Cross C Block E/S		2	28.50	0.20	0.10	1.14		
W/S		2	30.00	0.20	0.10	1.20		
		2	21.60	0.20	0.10	0.86		
		2	28.50	0.20	0.10	1.14		
Park Opp		2	17.60	0.20	0.10	0.70		
3rd A Cross Srinidhi Layout		2	30.00	0.20	0.10	1.20		
		2	25.00	0.20	0.10	1.00		
8th C Main Road		2	30.00	0.20	0.10	1.20		
		2	20.00	0.20	0.10	0.80		
		2	15.00	0.20	0.10	0.60		
		2	30.00	0.20	0.10	1.20		
		2	5.00	0.20	0.10	0.20		
Ramp								
Srinidhi Layout 4th C Cross E/S		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	30.00	0.30	0.10	0.90		
		1	17.50	0.30	0.10	0.53		
Srinidhi Layout 4th C Cross W/S		1	26.00	0.30	0.10	0.78		
Srinidhi Layout 8th Cross E/S		1	13.20	0.30	0.10	0.40		
		1	8.80	0.30	0.10	0.26		
		1	28.00	0.30	0.10	0.84		
		1	25.00	0.30	0.10	0.75		64.15
Srinidhi Layout 8th Cross W/S		1	8.80	0.30	0.10	0.26		

Assistant Engineer

Assistant Executive Engineer
Vijayanagara 1st Division
BBMP, Bangalore-97

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	12.50	0.30	0.10	0.38		
			1	15.00	0.30	0.10	0.45		
			1	25.00	0.30	0.10	0.75		
	8th A Main N/S		1	21.00	0.30	0.10	0.63		
	8th D Cross N/S		1	30.00	0.30	0.10	0.90		
			1	3.00	0.30	0.10	0.09		
	8th D Cross S/S		1	30.00	0.30	0.10	0.90		
			1	3.00	0.30	0.10	0.09		
	8th B Main E/S		1	14.30	0.30	0.10	0.43		
			1	8.60	0.30	0.10	0.26		
	4th Cross C Block E/S		1	28.50	0.30	0.10	0.86		
	W/S		1	30.00	0.30	0.10	0.90		
			1	21.60	0.30	0.10	0.65		
			1	28.50	0.30	0.10	0.86		
	Park Opp		1	17.60	0.30	0.10	0.53		
	3rd A Cross Srinidhi Layout		1	30.00	0.30	0.10	0.90		
			1	25.00	0.30	0.10	0.75		
	8th C Main Road		1	30.00	0.30	0.10	0.90		
			1	20.00	0.30	0.10	0.60		
			1	15.00	0.30	0.10	0.45		
			1	30.00	0.30	0.10	0.90		
			1	5.00	0.30	0.10	0.15		
				Total Qty =			**78.79**		
				Qty Limited to =			**78.60**	5700.00	**448020.00**
	Sub Total								**2256490.00**
	GST @ 12%								**270779.00**
								Total	**2527269.00**

Rupees Twenty Five Lakh(s) Twenty Seven Thousand Two Hundred Sixty Nine Only

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Improvements Roads And Drains and Providing Covering Slabs at Srinidhi Layout Vaishnavai Layout, Sai Garden, Kamat Layout and Surrounding areas in Ward No. 11 (Kuvempunagara) in Vidyaranyapura Sub Division.

Estimated Cost : Rs. 30.00 Lakhs

Job Code: 011-20-000120

Head of Account : P-1771 POW Works

Name of Agency: Sri. Abbu Sambashivareddy, # 1B3, Sree Arcade Layout, 4th Block, Doddabommasandra, Vidyaranyapura (P), Bangalore - 97.

Work order No: EE/BTP/BBMP/E-PMT/01(41734)/50/2019-20 D: 20-07-2020.

Measurements Recarded on : 30/07/2020

Sl No	Description of item	Unit	No	L	B	D	Qty
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.						
	Drain Desliting	Cum					
	Srinidhi Layout 4th C Cross E/S		1	30.00	0.45	0.45	6.08
			1	30.00	0.45	0.45	6.08
			1	30.00	0.45	0.45	6.08
			1	17.50	0.45	0.45	3.54
	Srinidhi Layout 4th C Cross W/S		1	26.00	0.45	0.45	5.27
	Srinidhi Layout 8th Cross E/S		1	13.20	0.45	0.45	2.67
			1	8.80	0.45	0.45	1.78
			1	28.00	0.45	0.45	5.67
			1	25.00	0.45	0.45	5.06
	Srinidhi Layout 8th Cross W/S		1	8.80	0.45	0.45	1.78
			1	12.50	0.45	0.45	2.53
			1	15.00	0.45	0.45	3.04
			1	25.00	0.45	0.45	5.06
	8th A Main N/S		1	21.00	0.45	0.45	4.25
	8th D Cross N/S		1	30.00	0.45	0.45	6.08
			1	3.00	0.45	0.45	0.61
	8th D Cross S/S		1	30.00	0.45	0.45	6.08
			1	3.00	0.45	0.45	0.61
	8th B Main E/S		1	14.30	0.45	0.45	2.90
			1	8.60	0.45	0.45	1.74
	4th Cross C Block E/S		1	28.50	0.45	0.45	5.77
	W/S		1	30.00	0.45	0.45	6.08
			1	21.60	0.45	0.45	4.37
			1	28.50	0.45	0.45	5.77
	Park Opp		1	17.60	0.45	0.45	3.56
	3rd A Cross Srinidhi Layout		1	30.00	0.45	0.45	6.08
			1	25.00	0.45	0.45	5.06
	8th C Main Road		1	30.00	0.45	0.45	6.08

Sl No	Description of item	Unit	No	L	B	D	Qty
			1	20.00	0.45	0.45	4.05
			1	15.00	0.45	0.45	3.04
	Berm cutting						
	Srinidhi Layout 4th C Cross E/S		1	30.00	1.20	0.15	5.40
			1	30.00	0.95	0.20	5.70
			1	30.00	0.80	0.30	7.20
			1	17.50	1.00	0.20	3.50
	Srinidhi Layout 4th C Cross W/S		1	26.00	0.95	0.15	3.71
	Srinidhi Layout 8th Cross E/S		1	13.20	1.00	0.30	3.96
			1	8.80	0.95	0.20	1.67
			1	28.00	1.20	0.20	6.72
			1	25.00	0.60	0.25	3.75
	Srinidhi Layout 8th Cross W/S		1	8.80	0.70	0.30	1.85
			1	12.50	0.80	0.25	2.50
			1	15.00	0.60	0.20	1.80
			1	25.00	0.95	0.20	4.75
	8th A Main N/S		1	21.00	0.60	0.20	2.52
	8th D Cross N/S		1	30.00	0.90	0.25	6.75
			1	3.00	1.00	0.25	0.75
	8th D Cross S/S		1	30.00	1.20	0.30	10.80
			1	3.00	1.00	0.20	0.60
	8th B Main E/S		1	14.30	0.90	0.25	3.22
			1	8.60	0.80	0.20	1.38
	4th Cross C Block E/S		1	28.50	0.90	0.25	6.41
	W/S		1	30.00	0.85	0.20	5.10
			1	21.60	0.90	0.25	4.86
			1	28.50	0.80	0.20	4.56
	Park Opp		1	17.60	0.80	0.20	2.82
	3rd A Cross Srinidhi Layout		1	30.00	0.60	0.30	5.40
			1	25.00	0.70	0.30	5.25
	8th C Main Road		1	30.00	0.80	0.25	6.00
			1	20.00	0.90	0.25	4.50
			1	15.00	0.75	0.20	2.25
	Culvert						
	Seenappa Garden 2nd Cross	Cum	1	6.20	2.00	1.20	14.88
					Total Qty =		**267.29**
					Qty Limited to =		**266.85**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

No	Description of item	Unit	No	L	B	D	Qty
	Measurements Recarded on : 01/08/2020						
2	Removing and refixing stone slabs of drains and pointing in CM (1:3)						
	Srinidhi Layout 4th C Cross E/S	Sqm	1	30.00		1.35	40.50
			1	30.00		1.35	40.50
			1	30.00		1.35	40.50
			1	17.50		1.35	23.63
	Srinidhi Layout 4th C Cross W/S		1	26.00		1.35	35.10
	Srinidhi Layout 8th Cross E/S		1	13.20		1.35	17.82
			1	8.80		1.35	11.88
			1	28.00		1.35	37.80
			1	25.00		1.35	33.75
	Srinidhi Layout 8th Cross W/S		1	8.80		1.35	11.88
			1	12.50		1.35	16.88
			1	15.00		1.35	20.25
			1	25.00		1.35	33.75
	8th A Main N/S		1	21.00		1.35	28.35
	8th D Cross N/S		1	30.00		1.35	40.50
			1	3.00		1.35	4.05
	8th D Cross S/S		1	30.00		1.35	40.50
			1	3.00		1.35	4.05
	8th B Main E/S		1	14.30		1.35	19.31
			1	8.60		1.35	11.61
	4th Cross C Block E/S		1	28.50		1.35	38.48
	W/S		1	30.00		1.35	40.50
			1	21.60		1.35	29.16
			1	28.50		1.35	38.48
	Park Opp		1	17.60		1.35	23.76
	3rd A Cross Srinidhi Layout		1	30.00		1.35	40.50
			1	25.00		1.35	33.75
	8th C Main Road		1	30.00		1.35	40.50
			1	20.00		1.35	27.00
			1	15.00		1.35	20.25
			1	30.00		1.35	40.50
			1	5.00		1.35	6.75
					Total Qty =		892.22
					Qty Limited to =		891.00

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

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BBMP, Bangalore-97

Sl No	Description of item	Unit	No	L	B	D	Qty
	Measurements Recarded on : 05/08/2010						
5	Providing and laying Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications						
	Culvert						
	Seenappa Garden 2nd Cross	Cum	1	6.20	2.00	0.15	1.86
				Total Qty =			**1.86**
				Qty Limited to =			**1.80**

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